

The influence of innovation on social and economic development of the Russian Regions

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

©2018 Institut za Slovenski Jezik Frana Ramovsa. All right reserved. The article provides estimates of innovation parameters' influence on social and economic development of regions measured as per capita gross regional product. The empirical part of the research comprises the regression model that demonstrates interrelations in a region-wide breakdown, considering the differentiation of innovation development level of regions grouped into homogenous clusters. The results provide evidence of two forces. One of these stands for the traditional academic and industrial science attributed with plan-fact indicators. The other, in its idea and contents, is fully matching with the R&D market concept since it exists and functions in a competitive environment, strives to self-financing and commercialization. Therefore, performance indicators and growth rates of this segment are far ahead the ones of the traditional science.

Keywords

Innovation activity, National innovation system, Region, Regional development, Social and economic development, Territory, The new economy

References

- [1] Akhmetshin, E.M., Kovalenko, K.E., Yavkin, G.P., Shchetinina, E.V., Borodina, N.V., Marochkina, S.S. 2018. Problems of formation driving skills in the educational process of driving schools. *Journal of Entrepreneurship Education*, 21(Special Issue).
- [2] Akopova, S.E., Przhedetskaya, V.N. 2016. Imperative of State in the Process of Establishment of Innovational Economy in the Globalizing World. *European Research Studies Journal*, 19(2), 79-85.
- [3] Akhmetshin, E.M., Kovalenko, K.E., Goloshchapova, L.V., Polyakova, A.G., Erzinkyan, E.A., Murzagalina, G.M. 2018. Approaches to social entrepreneurship in Russia and foreign countries. *Journal of Entrepreneurship Education*, 21(Special Issue).
- [4] Avdeeva, O.A. 2018. Features of Russia's participation in the international trade in non-material technologies. *Russian Economic Journal*, 4, 95-110, (in Russian).
- [5] Doussard, M., Schrock, G., Lester, T.W. 2017. Did US regions with manufacturing design generate more production jobs in the 2000s? New evidence on innovation and regional development. *Urban Studies*, 54(13), 3119-3137.
- [6] Finogenova, Y.Y., Domaschenko, D.V., Boyko, O.V. 2017. When financial stability prevails over the oil market state. Paper presented at the Proceedings of the 29th International Business Information Management Association Conference - Education Excellence and Innovation Management through Vision 2020: From Regional Development Sustainability to Global Economic Growth, 3542-3561.
- [7] Frank, V.E., Mashevskaya, V.O., Ermolina, V.L. 2016. Innovational Mechanism of Implementation of Cluster Initiatives in Business. *European Research Studies Journal*, 19(1), 179-188.
- [8] Gordon, I.R. and McCann, P. 2005. Innovation, agglomeration, and regional development. *Journal of Economic Geography*, 5(5), 523-543.

- [9] Gryzunova, N.V., Ekimova, K.V., Zakharova, D.S., Ordov, K.V., Kolmakov, V.V., Danko, T.P., Sekerin, V.D. 2018. Monetary policy and economy: Transmission channels and business competitiveness. *Espacios*, 39(19).
- [10] Gureva, M.A. 2018. Typology of the regions of the Russian Federation from the standpoint of developing a «green» economy about the specifics of the economic space. *Espacios*, 39(31).
- [11] Hansen, T. and Winther, L. 2011. Innovation, regional development and relations between high- and low-tech industries. *European Urban and Regional Studies*, 18(3), 321-339.
- [12] Karpova, S.V., Kolmakov, V.V., Polyakova, A.G., Golovina, A.N. 2019. Methodological approach to cluster development based on competitive specialization of regions. *Economy of region*, 15(1), forthcoming.
- [13] Kitagawa, F. 2017. Changing university-industry links in the Japanese national innovation system: Towards innovation, entrepreneurship and regional development. *Universities in the national innovation systems: Experiences from the Asia-Pacific*, 35-63.
- [14] Kolmakov, V.V., Polyakova, A.G., Shalaev, V.S. 2015. An analysis of the impact of venture capital investment on economic growth and innovation: Evidence from the USA and Russia. *Economic Annals*, 60(207), 7-37.
- [15] Kurushina, E.V. and Petrov, M.B. 2018. Performance criteria of spatial development projects based on interregional integration. *Economy of Region*, 14(1), 176-189.
- [16] Mackinnon, D., Cumbers, A., Chapman, K. 2002. Learning, innovation and regional development: A critical appraisal of recent debates. *Progress in Human Geography*, 26(3), 293-312.
- [17] Mas-Verdu, F., Soriano, D.R., Dobon, S.R. 2010. Regional development and innovation: The role of services. *Service Industries Journal*, 30(5), 633-641.
- [18] Metcalfe, J. 2001. Consumption, Preferences and Evolutionary Agenda. *Journal of Evolutionary Economics*, 11(1), 37-58.
- [19] Miheeva, N.M., Yu, V.O., Magsumov, T.A., Bulanakova, M.A., Kulchytskiy, A.V., Polyakova, A.G. 2018. Public diplomacy development stages through the black sea economic cooperation organization. *International Journal of Mechanical Engineering and Technology*, 9(11), 1382-1391.
- [20] Nikiforov, S.A., Larina, O.G., Yatsenko, K.V., Galiullin, R.R., Gabdulkhakov, R.B., Yavkin, G.P. 2018. Cultural revolution of stalinism in its regional context. *International Journal of Mechanical Engineering and Technology*, 9(11), 1229-1241.
- [21] Safina, A.A., Nikiforova, E.G., Shakirova, D.S. 2016. Estimation procedure of industrial-engineering communication (IEC). *International Business Management*, 10(23), 5559-5563, doi:10.3923/ibm.2016.5559.5563.
- [22] Safiullin, M.R., Elshin, L.A., Nikiforova, E.G. 2016. Methodological approaches to the diagnosis and forecast of the long-wave fluctuations in the economy. *International Journal of Economics and Financial Issues*, 6(4), 1616-1624.
- [23] Sánchez-Carreira, M.D.C., Peñate-Valentín, M.C., Varela-Vázquez, P. 2018. Public procurement of innovation and regional development in peripheral areas. *Innovation*, In press.
- [24] Schumpeter, J. 1934. The Theory of Economic Development. *Harvard Economic studies*, 255 p.
- [25] Tyaglov, G.S., Kushnarenko, V.T., Khokhlov, A.A. and Qeropyan, A.M. 2017. The Development of Cluster Relations within the State and Business Structures in Terms of Strategy of Non-Primary Sector Import-Substitution. *European Research Studies Journal*, 20(1), 198-207.
- [26] Zedgenizova, I. and Ignatyeva, I. 2017. The Problems of Creation and the Prospects for Development of Regional Clusters. *European Research Studies Journal*, 20(4A), 578-595.